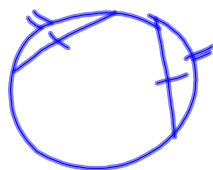
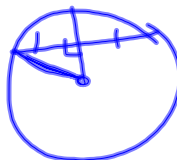
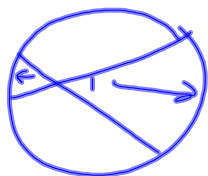


Chapter 10 Test
Monday

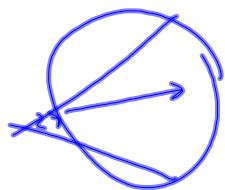
- 10.1 Terminology
Circumference $C = 2\pi r$
 $C = \pi d$
- 10.2 Central angles = arc
arcs
congruent arcs
***arc length $l = \frac{A}{360} \cdot C$
- 10.3 congruent chords have congruent arcs
perpendicular radius and chord
right triangles
inscribed polygons



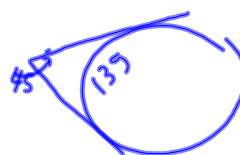
- 10.4 Inscribed angles $\angle = \frac{1}{2} \text{ arc}$
inscribed quadrilaterals
opp \angle s are suppl.
- 10.5 Tangents
perpendicular
congruent from same point
right triangles
Tangent and chord
 $\angle = \frac{1}{2} \text{ arc}$
- 10.6 Inside angles
Outside angles



$$m\angle 1 = \frac{1}{2} (\text{sum of arcs})$$



$$m\angle 2 = \frac{1}{2} (\text{diff. of arcs})$$



$$\begin{array}{r} 180 \\ - 45 \\ \hline 135 \end{array}$$

$$360 - 135 = 225$$

$$45 = \frac{1}{2} (X - (360 - X))$$

$$45 = X - 180$$

$$225 = X$$

10.7 Segment lengths
two chords

$$a \cdot b = c \cdot d$$

two secants

$$(\text{whole})(\text{ext}) = (\text{whole})(\text{ext})$$

secant and tangent

$$(\text{whole})(\text{ext}) = \tan^2$$

10.8 Equation

$$r^2 = (x-h)^2 + (y-k)^2 \quad C(h,k)$$